

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kevin K. Jones on September 28, 2010.

The application has been amended as follows:

- Claims 4, 26, 27 and 29 are cancelled.
- Claims 1, 2, 6-8, 11, 13, 15-16, 19-21, 23-25 and 28 are amended to read as follow:

1. A web-enabled automation control module (ACM) system comprising:

a computer configured to send a request for a file;

a first network module and a second network module located outside of said computer and outside a web server and database module, said first network module and said second network module configured to receive the request from said computer via a network;

an ACM backplane for transferring the request from said first network module and said second network module;

a database located within [[a]] said web server and database module configured to store the file;

[[a]] said web server located within said web server and database module configured to:

Art Unit: 2456

receive the request for the file from said first network module via said ACM backplane;
[[and]]

parse the file for tag functions used to request specific ACM data; and
send the requested file to said first network module. said first network module further
configured sends the requested file to a user requesting the file;

~~a network module located outside of said computer and said webserver and database~~
~~module, said network module configured to receive the request for the file from said computer~~
~~via a network;~~

a transfer server located within said network module; and

an ACM central processing unit (CPU) configured to send the requested ACM data to
said web server and database module, wherein said web server is further configured to embed the
ACM data in the file to facilitate transferring the ACM data to said network module in response
to the request, said ACM CPU coupled directly to said web server and database module.

2. An ACM system in accordance with Claim 1 wherein said web server is configured
to:

obtain the file from said database to respond to the request; ~~and~~
~~send the file to said network module.~~

6. An ACM system in accordance with Claim 2 wherein said web server and database
module is electrically connected to said network module via [[an]] said ACM backplane and via
the network.

Art Unit: 2456

7. An ACM system in accordance with Claim 2 wherein said web server and database module is coupled to said ACM CPU that is electrically coupled to ~~[[an]]~~ said ACM backplane via an interface.

8. An ACM system in accordance with Claim 1 wherein said first network module comprises:

a second web server that is configured to:

obtain the file from said database; and

transmit the file to the network; and

a network interface electrically connected to said second web server and the network.

9. An ACM system in accordance with Claim 1 wherein said web server and database module is coupled to said ACM CPU that is electrically coupled to ~~[[an]]~~ said ACM backplane via an interface.

11. A method for managing and controlling an automation control module (ACM) system, said method comprising:

sending a request for a file from a computer through a network to ~~at least one~~ a first network module and a second network module located outside of the computer and outside a web server and database module;

sending the request from the ~~at least one~~ first network module and the second network module via an ACM backplane to a web server located within the web server and database module;

Art Unit: 2456

receiving, by the web server, the request via the ACM backplane;

storing the file in a database of the web server and database module;

requesting, by the web server, ACM data from an ACM central processing unit (CPU)
that is coupled directly to the web server and database module based on tag functions embedded
in the file;

sending the requested ACM data from the ACM CPU to the web server and database
module, wherein the ACM CPU is coupled directly to the web server and database module;

retrieving the file from the database via the web server;

embedding the ACM data in the file to facilitate transferring the ACM data to the ~~at least~~
~~one~~ first network module in response to the request; and

transmitting the file from the web server to the computer via the ~~at least one~~ first network
module and the network.

13. A method in accordance with Claim 11 further comprising:

sending the request from the network to a transfer server of the ~~at least one~~ first network
module;

sending the request from the transfer server to the web server and database module; and

waiting to receive the file from the web server and database module.

15. A method in accordance with Claim 11 wherein sending the request from the ~~at least~~
~~one~~ first network module to the web server of the web server and database module comprises

Art Unit: 2456

sending the request from the ~~at least one~~ first network module to the web server of the web server and database module via the network.

16. A method in accordance with Claim 11 wherein sending the request from the ~~at least one~~ first network module to the web server of the web server and database module comprises sending the request from the network module to the web server and database module located within the ACM CPU.

19. An ACM system in accordance with Claim 1 wherein sending the request for the file from the network to the ~~at least one~~ first network module comprises sending the request for the file from an Ethernet network to the ~~at least one~~ first network module.

20. A method for managing and controlling an automation control module (ACM) system, the ACM system including ~~at least one~~ a first network module and a second network module located outside of a computer, the ~~at least one~~ first network module and the second network module being electrically connected to a network, the ACM system also including a web server and database module electrically connected to the ~~at least one~~ first network module and the second network module, the web server and database module [[and]] being located outside the ~~at least one~~ first network module and the second network module, the web server and database module including a web processing component, [[said]] the method comprising:

receiving a request for a file from the computer through the network by the ~~at least one~~ first network module and the second network module located outside of the computer and outside the web server and database module;

receiving, by the web processing component, the request via an ACM backplane;

Art Unit: 2456

storing the file in a database of the web server and database module;

parsing the file for tag functions used to determine desired ACM data to be returned to the computer; [[and]]

transmitting the desired ACM data to be embedded in the file from an ACM central processing unit (CPU) to facilitate transferring the ACM data to the computer via the ~~at least one~~ first network module in response to the request, wherein the ACM CPU is coupled directly to the web server and database module;

retrieving the file requested from the database of the web server and database module;

transmitting the file requested from the web processing component to the first network module; and

sending the file requested via the network from the first network module to a user requesting the file.

21. A method in accordance with Claim 20 further comprising:

sending the request from the ~~at least one~~ first network module to a ~~web server~~ web processing component of the web server and database module;

obtaining the file from the database to respond to the request; and

sending the file from the ~~web server~~ web processing component to the ~~at least one~~ first network module.

23. A method in accordance with Claim 21 wherein sending the request from the ~~at least one~~ first network module to the ~~web server~~ web processing component of the web server and

Art Unit: 2456

database module comprises sending the request from the ~~at least one~~ first network module to the web server of the web server and database module via the network.

24. A method in accordance with Claim 21 wherein sending the request from the ~~at least one~~ first network module to the ~~web server~~ web processing component of the web server and database module comprises sending the request from the network module to the web server and database module located within the ACM CPU.

25. A method for managing and controlling network traffic comprising utilizing at least one network module and a web server and database module that includes a web processing component and a database, the web server and database module located outside the at least one network module, said method comprising:

receiving, by a first network module and a second network module located outside of a computer and outside the web server and database module, a message from the computer via a network;

transferring the message from the first network module and the second network module via an automation control module (ACM) backplane to the web processing component to facilitate transferring the message to the first network module in response to a request, wherein the message is transferred from an ACM central processing unit (CPU) that is coupled directly to the web server and database module;

receiving, by the web processing component, the message via the ACM backplane;

storing a file requested in the message in ~~[[a]]~~ the database of the web server and database module;

Art Unit: 2456

parsing the file to determine a set of requested ACM data based on tag functions within the file;

embedding the requested ACM data in the message in response to execution of the tag functions; [[and]]

retrieving the file requested in the message from the database of the web server and database module;

transmitting the file requested from the web processing component to the first network module; and

sending the file requested via the network from the first network module to a user requesting the file;

~~transferring the message from the first network module and the second network module via an automation control module (ACM) backplane to the web server and database module to facilitate transferring the message to the first network module in response to a request, wherein the message is transferred from an ACM central processing unit (CPU) that is coupled directly to the web server and database module.~~

28. A method in accordance with Claim 25 wherein retrieving the file comprises retrieving at least one of a web page file, a document file, an e-mail file, an image file, an audio file, and a video file.

Allowable Subject Matter

2. Claims 1-3, 6-11, 13, 15-16, 18-21, 23-25, 28 and 30 are allowed.

The following is an examiner's statement of reasons for allowance:

Claims are considered allowable when reading the claims none of the references of record singly or in combination disclose or suggest the combination limitations specified in the independent claims including:

receiving, by a first network module and a second network module located outside of a computer and outside the web server and database module, a message from the computer via a network;

receiving, by the web processing component, the message via an automation control module (ACM) backplane;

retrieving the file requested in the message from the database of the web server and database module;

transmitting the file requested from the web processing component to the network module;

sending the file requested via the network from the first network module to a user requesting the file; and

transferring the message from the first network module and the second network module via the ACM backplane to the web processing component to facilitate transferring the message to the first network module in response to a request, wherein the message is transferred from an ACM central processing unit (CPU) that is coupled directly to the web server and database module.

Art Unit: 2456

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Van Kim T. Nguyen whose telephone number is 571-272-3073. The examiner can normally be reached on 8:00 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on 571-272-3880. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Rupal D. Dharia/
Supervisory Patent Examiner, Art Unit 2400

Van Kim T. Nguyen
Examiner
Art Unit 2456

vkn